AMDREYEV, V.Ye.; SHISHOV, Ye.L., retsenzent; VOSHCHENCHUK, A.F., retsenzent; FEDOROV, A.M., otv. red.

[Sinking vertical piles with simultaneous erection of tower pile drivers] Prokhodka vertikal'nykh stvolov s odnovremennym sooruzheniem bashennykh koprov. Moskva, Nedra, 1964. 60 p. (MIRA 17:12)

24.5500

AUTHOR: Shishov, Ye. V.

S/170/59/002/11/001/024
B014/B014

TITLE: Transverse-streamlined Thermocouples Used as Temperature-measuring Instruments in Supersonic Flow

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, 1959, Vol 2, Nr 11, pp 3-10 (USSR)

ABSTRACT: In the present article the author studies transverse-streamlined Cu-Constantan thermocouples 0.20, 0.31, 0.50, 0.67, and 1.00 mm in diameter. The investigations were carried out in the Mach number range 1.20 - 1.65 by the use of an optical device designed by D. D. Maksutov (Ref 3). The experiments were performed on two devices, the first of which was constructed by MO TsKTI and has an air delivery of 0.3 kg/sec at a pressure of 5 atm abs, and the second was built in cooperation with VNIIKIMASh and has an air delivery of 1.4 kg/sec at a pressure of 6 atm abs. Reference is made to a paper by B. S. Deychman (Ref 1) already in the introduction. This paper is said to be the only systematic investigation known in this field. Equation (2) is given for the recovery factor and equation (3) for the reduced pressure π. The latter is known to be a one-to-one function of the reduced velocity λ. Next, the author describes details of the experimental arrangement such as air-drying and cooling, determination of the pressure distribution

Card 1/3

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Transverse-streamlined Thermocouples Used as Temperature-measuring Instruments in Supersonic Flow

S/170/59/002/11/001/024
B014/B014

along the axis of the jet by means of a probe. Subsequently, the author discusses the change in the Mach number within a jet. Table 1 lists data of jets whose inner surface was lapped after the grinding, and whose inlet was profiled according to Vitoshinskiy's formula. The experimental results diagrammatically represented in figure 2 show that there is a functional relation between the recovery factor and the Mach number. As Deychman proceeded from the assumption that the flow in the jet has an isentropic character, his values are somewhat higher. The diameter of the thermocouples within the range under consideration has but a very small effect, in which connection reference is made to a paper by M. Ye. Deych (Ref 5). The recovery factor is described by equation (4) which represents the analytical relationship between the recovery factor obtained by observations made in the case of supersonic flow, on the one hand, and the recovery factor determined from subsonic flows. In the supersonic range the values of the recovery factor resulting from this formula are somewhat higher than the experimental values, whereas in the subsonic range satisfactory values are obtained only near sonic velocity. In the following the author discusses the pictures illustrated in figures 4 and 5. This investigation proves the usefulness of transverse-streamlined thermocouples for temperature

Card 2/3

SHISHOV, Yo. V., Cand. Tech. Sci. (diss) "Transverse-Streamlined Thermocouples as Measurers of Temperature in Supersonic Flow," Moscow, 1951, 14 pp (Moscow Power Engr. Inst.) 150 copies (KL Supp 12-51, 277).

SHISHOV, E. V.

"Temperature Effect on the Cylinder Surface Flowed by a Supersonic Flow."

Report submitted for the Conference on Heat and Mass Transfer, Minsk, BSSR, June 1961.

S/671/61/000/000/002/003
A059/A126

11.7400

AUTHOR: Shishov, Ye.V., Engineer

TITLE: Particular effects of reduced temperature on a cylindrical surface in supersonic flow

PERIODICAL: Issledovaniya i raschety teploenergeticheskikh i energokhimicheskikh protsessov; sbornik statey; Gosudarstvennoye nauchno-tekhnicheskoye izdatel'stvo mashinostroitel'noy literatury, Moskva, 1961, 78 - 91

TEXT: Results of experimental work concerning the distribution of local equilibrium temperatures and pressures over the surface of a thermally nonconductive cylinder under the conditions of super- and subsonic flow are discussed. Experiments were performed with a setup developed by the MO TsKTI in cooperation with the VNIIKIMASh which consists of an air-supplying turbo-compressor, cooler and moisture trap, drier, silica gel filter, and a calibrated nozzle after which a filter is inserted to remove foreign matter. The pressure distribution along the axis of flow is determined with a static-

Card 1/3

Particular effects of reduced .....

pressure measuring probe described in Ref. 3 [Poperechno-obtekayemyye termopary kak izmeritell temperatury v sverkhzvukovom potoke (Transverse-streamlined thermocouples used for temperature measurement in supersonic flow), Inzhenerno-fizicheskiy zhurnal, v. 2, no. 11, 1959]. In all experiments, free flow from a nozzle was used, the performance of which was controlled by examining the free-flow spectra with a Tepler device. The cylinder is protected against the action of supersonic flow by means of a reinforcing stainless-steel tube. In order to compare analytically the conditions of thermal and hydrodynamic interaction of poorly streamlined bodies with sub- and supersonic flow, the distribution of pressure and internal (equilibrium) temperature on a cylindrical surface was measured on the assumption of isoentropic flow. The author then presents the mathematical establishment of various parameters. There are 6 figures, 1 table, and 9 references: 5 Soviet-bloc and 4 non-Soviet-bloc. The reference to the English-language publication reads as follows: T. Stanton. On the effect of air compression on drag and pressure distribution in cylinders of infinite aspect ratio. Reports and memoranda, no. 1210, 1928

Card 2/3

S/671/61/000/000/002/003
A059/A126

Particular effects of reduced.....

ASSOCIATION: Moskovskiy institut khimicheskogo mashinostroyeniya
(Moscow Institute of Chemical Engineering)

/c

Card 3/3

S/170/61/004/001/006/020
B019/B056

26.2223
26.2181

AUTHOR: Shishov, Ye. V.

TITLE: The Effect of the Recovery of Enthalpy on the Surface of a Cylinder Round Which a Gas Flows With High Velocity

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, 1961, Vol. 4, No. 1, pp. 37-43

TEXT: The author investigated the temperature distribution and the distribution of hydrodynamic quantities for supersonic and subsonic flows around a cylinder. All experiments were carried out by means of a free jet, and the distributions of temperature and pressure were measured. For the measurement of pressure distribution, a steel cylinder 1 mm in diameter was used. The temperature distribution was measured with a plexiglass cylinder 2 mm in diameter. Fig. 1 shows the distributions of the pressure coefficients, the reduction factor, and the dimensionless temperature difference. As the results show, the condition of enthalpy recovery of the cylinder surface in the case of a laminary boundary layer flow in the entire region of continuous flow in the case of sub-sonic and supersonic

Card 1/4

The Effect of the Recovery of Enthalpy on the Surface of a Cylinder Round Which a Gas Flows With High Velocity

S/170/61/004/001/006/020
B019/B056

flows obeys the same law. The recovery factor is within the narrow range of 0.8-0.85. It may therefore be assumed that in a continuous flow, the recovery coefficient is a constant quantity equal to $\sqrt{Pr}$. Moreover, it is shown that on the surface of the cylinder

$\vartheta = \frac{T_0 - T_1}{T_0}$ has different values in the case of sub- or supersonic flows round this cylinder.

$\bar{\vartheta} = \int_0^{\delta} \vartheta \, dy / \delta$ (8), ϑ_x is the dimensionless temperature difference on the cylinder surface. In the subsonic region, $\bar{\vartheta}$ grows more quickly with increasing velocity as in the supersonic region. This indicates a specific difference in the interaction between body and flow. Further, the fact is pointed out that in the subsonic region, the diameter of the thermocouple produces an essential effect upon the measuring result, whereas this is not the case in the supersonic region. This is in agreement with the opinion that with Re 3000 the boundary layer is laminar and the flow also acquires this character after it leaves the body. B. S. Deychman is

Card 2/4

The Effect of the Recovery of Enthalpy on the Surface of a Cylinder Round Which a Gas Flows With High Velocity

S/170/61/004/001/006/020
B019/B056

mentioned. Technicians T. A. Ponomareva, B. D. Shcherbakov, A. F. Spesivykh, and V. N. Vsekhsvyatskiy took part in the experiments. The author thanks Professor A. A. Gukhman and Candidate of Technical Sciences A. F. Ganden'sman for their interest and help, as well as L. N. Naurits and V. V. Usanov for taking part in the experiments. There are 3 figures, 1 table, and 7 references: 4 Soviet, 2 German, and 1 British.

ASSOCIATION: Moskovskoye otdeleniye Tsentral'nogo kotloturbinnogo instituta im. I. I. Polzunova, g. Moskva (Moscow Branch of the Central Steam Turbine Institute imeni I. I. Polzunov, Moscow)

SUBMITTED: October 3, 1960

Legend to Fig. 1: Distribution of the local pressure coefficient $\bar{P}_x$, of the recovery factor $r_{\infty m}$ and the dimensionless temperature difference ϑ_x on the cylinder surface.

VASILENKO, Aleksey Nikolayevich, kand. tekhn. nauk; DRYZHAKOV, Yevgeniy Vasil'yevich, dots.; ISAYEV, Sergey Ivanovich, kand. tekhn. nauk; KORNEYCHUK, Nikolay Karpovich, kand. tekhn. nauk, dots.; KOFANOV, Vyacheslav Ivanovich; assistent; KRUTOV, Vitaliy Ivanovich, doktor tekhn. nauk, prof.; MIRONOV, Boris Mikhaylovich, kand. tekhn. nauk; NIGMATULIN, Iskander Nigmatulevich, doktor tekhn. nauk, prof.; NOSOV, Mikhail Vasil'yevich, prof.; SAMOYLOV, Mikhail Sergeyevich, assistent; SPORYSH, Igor'Pavlovich, kand. tekhn. nauk, prof.; KHVOSTOV, Viktor Ivanovich, kand. tekhn. nauk; SHISHOV, Yevgeniy Viktorovich, kand. tekhn. nauk; YUDAYEV, Boris Nikolayevich, kand. tekhn. nauk, dots.; KUTYRIN, I.N., dots., kand. tekhn. nauk, retsenzent; SHVEDOV, A.M., dots., retsenzent; TUPITSYNA, L.A., red.; FUFAYEVA, G.I., red.

[Problems in technical thermodynamics and heat transfer] Sbornik zadach po tekhnicheskoi termodinamike i teploperedache. [By] A.N.Vasilenko i dr. Moskva, Vysshaia shkola, 1964. 369 p. (MIRA 17:4)

1. Prepodavatel'skiy kollektiv kafedry termodinamiki i teploperedachi Moskovskogo vysshego tekhnicheskogo uchilishcha (for all except Kutyrin, Shvedov, Tupitsyna, Fufayeva). 2. Moskovskiy aviatsionnyy institut (for Kutyrin, Shvedov).

RUBTSOVA, N.F., SHISHOVA, A.A. (Moskva)

Two cases of specific electrocardiographic changes. Klin.med. 36 no.5:148-151 My '58 (MIRA 11:7)

(NEPHRITIS, complications,
ECG atypical changes (Rus))
(ELECTROCARDIOGRAPHY, in var dis.
nephritis, atypical changes (Rus))

DIKENSHTEYN, G.Kh.; KUTUZOVA, V.V.; MASHKYKOV, K.K.; BABAYEV, A.G.; POL'STER, L.A.; YUFEREV, R.F.; SHISHOVA, A.I.; BAREYEV, R.A.; MAKAROVA, L.N.; MURADOV, K.; PYANOVSKAYA, I.A.; SEMOV, V.N.; SIROTINA, Ye.A.; TURKINA, I.S.; FEL'DMAN, S.L.; KHON, A.V.; KUNITSKAYA, T.N.; GOLENKOVA, N.P.; ROSHINA, V.M.; FARTUKOV, M.M.; SHCHUTSKAYA, Ye.K.; ALTAYEVA, N.V.; BYKADOROV, V.A.; KOTOVA, M.S.; SMIRNOV, L.M.; IBRAGIMOV, M.S.; KRAVCHENKO, M.F.; MARKOVA, L.P.; ROZYYEVA, T.R.; UZAKOV, O.; SLAVIN, P.S.; NIKITINA, Ye.A.; MILOGRADOVA, M.V.; BARTASHEVICH, O.V.; STAROBINETS, I.S.; KARIMOV, A.K.

[Splicing of the wires of overhead power transmission lines] Soedinenie provodov vozdushnykh linii elektroperedachi. Moskva, Energiia, 1964. 69 p. (Biblioteka elektromontera, no.132) (MIRA 17:9)

SHISHOVA, A. M.

"The Singificance of the Thymol Test in Hepatopathy," Terap. Arkhiv, 21, No. 3, 1949.
Mor., Faculty Therapeubic Clinic 1st Moscow Order Lenin Med. Inst., -c1949-.

USSR/Human and Animal Physiology - Blood Circulation. T-5

Abs Jour : Ref Zhur - Biol., No 7, 1958, 31742

Author : Levchenko, M.A., Spesivtseva, V.G., Shishova, A.M.
Inst : -
Title : On the Problem of the Fate of Radioactive Iodine 131 in the Organs and Tissues of Rabbits with Experimental Hypercholesterinemia and Atheromatosis.

Orig Pub : Terapevt, arkhiv, 1956, 28, No 6, 71-75.

Abstract : The spread of I^{131} in the organs of rabbits with experimental hypercholesterinemia was studied. The hypercholesterinemia was achieved by long oral introduction of cholesterin in doses of 0.25 g/kg. In addition, for half-a-year, the level of cholesterin in the blood of the animals was raised to 1000-1500 mg%. I^{131} in doses of 1.5-18 curie/kg was introduced internally for 24 hours before the animals are killed. The thyroid gland of the rabbits with experimental hypercholesterinemia absorbs

Card 1/2

SPESIVTSEVA, V.G.; SYRKIN,A.L.; SHISHOVA, A.M.

Rate and duration of secretion; the rate of ridding plasma of sodium-24 in some diseases; preliminary report. Terap.arkh. 28 no.7:43-50 '56. (MLRA 10:1)

1. Iz fakul'tetskoy terapevticheskoy kliniki (dir. - deystvitel'nyy chlen AMN SSSR prof. V.N.Vinogradov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova.

(SODIUM, metab.
rate of secretion in kidney dis. & cardiovasc.dis., determ. with radioactive sodium)
(KIDNEY DISEASES, metab.
sodium, rate of secretion, determ. with radioactive sodium)
(CARDIOVASCULAR DISEASES, metab.
sodium, rate of secretion, determ. with radioactive sodium)

KOCHERGIN, I.G.; SHISHOVA, A.M. (Moskva)

Improve the selection and training of scientific personnel.
Sov. zdrav. 21 no.9s 4-8 '62 (MIRA 17:4)

SULTANOVA, S.G.; CHUVAYEV, P.P.; Prinimala uchastiye SHISHOVA, A.M.

Movement of substances in some fruit plant in the early spring period (in the leafless state). Trudy Otd. fiziol. i biofiz. rast. AN Tadzh. SSR 3:35:48 '64. (MIRA 18:4)

76-32-4-25/43

AUTHORS: Balandin,A. A., Kukina, A. I.,Shishova, D. P.

TITLE: Investigation of the Iron-Chromium Catalysts in the Dehydrogenation and Dehydration of Isopropyl Alcohol (Issledovaniye zhelezo-khromovykh katalizatorov v reaktsiyakh degidrogenizatsii i degidratatsii izopropilovogo spirta)

PERIODICAL: Zhurnal Fizicheskoy Khimii, 1958, Vol. 32, Nr 4, pp. 882 - 893 (USSR)

ABSTRACT: In order to be able to investigate the iron catalysts the energetic equations of the multiplet theory were used in this paper, the adsorption potential and the binding energy of the molecules being determined by the catalyst just as well as activity and selectivity. From the experimental part can be seen that the pretreated catalysts were investigated polarographically, that the kinetic experiments were carried out on a flow apparatus,and that the activity, and the selectivity of the measurements of the reaction products were determined. Granular sizes of the catalysts of from 1 - 3 mm were used

Card 1/3

Investigation of the Iron-Chromium Catalysts in the Dehydrogenation and Dehydration of Isopropyl Alcohol

and within the temperature interval of from 320 - 500°C it was observed that the activity of iron oxide is essentially greater that that of chromium oxide, the dehydrogenation exceeding dehydration. A cracking of the alcohol into saturated hydrocarbons takes place on iron oxide, a change of the reaction on the addition of chromium oxide having been observed. A ratio of iron oxide- chromium oxide of 1 : 1 effects a predominant splitting-off of hydrogen; x-ray structural analyses showed that also here the components retained their proper structure. With a rise of temperature the composition of the reaction products changes, namely, the content of hydrogen decreases and that of saturated and unsaturated hydrocarbons increases. The most active catalyst proved to be that with an addition of 50% Fe_2O_3: 50% Cr_2O_3, a little less with 75% Fe_2O_3 and with a minimum of the dehydration reaction that with 5% Fe_2O_3. From the results obtained the magnitude of the energetic barrier was

Investigation of the Iron-Chromium Catalysts in the Dehydrogenation and Dehydration of Isopropyl Alcohol

calculated for both reactions just as well as the activation energies and the adsorption potentials. An explanation in connection with multiplet theory is given, just as well as graphical data and tables mentioning results. Finally the authors thankYu. P. Simanov and N. V. Nikolayev for the lent apparatus as well as for their advice. There are 9 figures, 3 tables and 1o references, all of which are Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University im. M.V. Lomonosov)

SUBMITTED: December 3o, 1956

AVAILABLE: Library of Congress

Card 3/3 1. Iron-chromium catalysts--Effectiveness 2. Isopropyl alcohol--Dehydrogenation 3. Isopropyl alcohol--Dehydration

RIKARDO, D., dotsent; BOGOLYUBOVA, G., dotsent; KEROV, M.; ZOLOTINA, V.; SHISHOVA, I.

Seventieth birthday of Professor N.B.TSirel'son. Mias.ind. SSSR 33 [i.e.34] no.2:18 '63. (MIRA 16:4)
(TSirel'son, Noi Borisovich, 1893-)

TSIREL'SON, N.; LISITSIN, Yu.; KEROV, M.; YEMEL'YANOV, V.; ZOLOTINA, V.; SHISHOVA, I.

More on the reducing of losses in the live weight of cattle. Mias. ind. SSSR 33 no.4:30-31 '62. (MIRA 17:2)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti.

SHISHOVA, K.G.; SHAVINA, A.N.; SHIPUKHIN, A.Ya., red.; NAUMOV, A.A., tekhn. red.

[Index of Russian literature on public health in prerevolutionary Uzbekistan, 1868-1917] Ukazatel' otechestvennoi literatury po zdravookhraneniiu dorevoliutsionnogo Uzbekistana, 1868-1917. Tashkent, Medgiz UzSSR, 1961. 149 p. (MIRA 15:8)

(BIBLIOGRAPHY--UZBEKISTAN--PUBLIC HEALTH)
(UZBEKISTAN--PUBLIC HEALTH--BIBLIOGRAPHY)

SHISHOVA, Kseniya Gavrilovna; SHIPUKHIN, A.Ya., red.; AGZAMOV, K., tekhn. red.

[Public health in Soviet Uzbekistan; bibliographic index of literature from 1917 to 1959] Zdravookhranenie Sovetskogo Uzbekistana; bibliograficheskii ukazatel' literatury, 1917-1959. Sost. K.G.Shishova. Tashkent, 1961. 213 p. (MIRA 16:10)

1. Uzbek S.S.R. Ministerstvo zdravookhraneniya. Gosudarstvennaya nauchno-meditsinskaya biblioteka.
(BIBLIOGRAPHY--UZBEKISTAN--PUBLIC HEALTH)
(UZBEKISTAN--PUBLIC HEALTH--BIBLIOGRAPHY)

SHABLOVA, A.A.; SHUBNIKO, L.F.; SHISHKOVA, K.G.; CHAYKA,G., red.

[Malaria in Central Asia; bibliographic index of literature, 1878-1961] Malariia v Srednei Azii; bibliograficheskii ukazatel' literatury (1878-1961 gg.). Tashkent, Med. gos. izdvo M-va zdravookhraneniia UzSSR, 1963. 122 p.
(MIRA 17:8)

1. Moscow. Gosudarstvennaya nauchnaya meditsinskaya biblioteka.

24(4), 24(2) SOV/81-7-1-13/27

AUTHORS: Broydo, I.Ya., Tairlin, Ye.A. and Chishova, L.N.

TITLE: Determination of the Luminescence Energy Yield of Plastic Scintillators Subjected to γ-Rays (Opredeleniye energeticheskogo vykhoda lyuminestsentsii plastmassovykh stsintillyatorov pod deystviyem γ-luchey)

PERIODICAL: Optika i Spektroskopiya, 1959, Vol 7, Nr 1, pp 70-72 (USSR)

ABSTRACT: The luminescence energy yield, defined as the efficiency of transformation of the energy of recorded radiation into light energy, is perhaps the most important property of a scintillator. In practice the "technical" energy yield is measured; this is smaller than the true ("physical") energy yield due to absorption of scintillation light in the scintillator itself and in reflectors which are used to improve the light-collecting ability of the phosphor. The present paper described a determination of the energy yield of γ-luminescence of a plastic scintillator which was a solution of 2% terphenyl and 0.1% POPOP in polystyrene. The energy yield was measured for scintillations due to Compton electrons produced by γ-rays from Cs^{137}. To determine the energy yield the authors analysed pulses from a scintillation counter consisting of a photomultiplier FEU-29 and a polished cylindrical scintillator of the above composition. The scintillator had a diameter of 30 mm and a height of 40 mm

Card 1/3

Determination of the Luminescent Energy Yield of Plastic Scintillators Subjected to γ-Rays

and it was attached to the photomultiplier cathode via a vaseline layer. The following equation was used to deduce the physical energy yield η from the height of pulses at the counter output:

$$V_{output} = (k\eta\alpha\bar{\varepsilon}_f M e/\varepsilon c), \quad (1)$$

where E_γ is the energy of Compton electrons, ε is the energy of the emitted photons (2.48 eV), α is the ratio of the technical to the physical light yield (α = 0.1-0.3), $\bar{\varepsilon}_f$ is the mean efficiency of the photomultiplier cathode in the scintillation spectrum (~0.135), M is the amplification factor of the photomultiplier (~7.2 x 10^5), e is the electron charge, c is the capacitance of the preamplifier input (of the photomultiplier anode) which was about 30 pF and k is the amplification factor of the main amplifier (~50 ± 10). The value of

Card 2/3

Determination of the Luminescence Energy Yield of Plastic Scintillators Subjected to γ-Rays

the physical energy yield η, determined from Eq (1), was found to be $(1.7 \pm 0.3) \times 10^{-2}$. Acknowledgment is made to A.P. Kilimov for supply of the scintillator samples and information on their optical properties. There are 2 figures and 15 references, 4 of which are Soviet, 1 translation from English into Russian, 9 English and 1 Swiss.

SUBMITTED: August 30, 1958

Card 3/3

S/120/62/000/003/010/048
E032/E114

AUTHORS: Tsirlin, Yu.A., Shishova, L.N., and Kibal'chich, G.A.

TITLE: On the form of the Compton spectra of organic scintillators

PERIODICAL: Pribory i tekhnika eksperimenta, no.3, 1962, 59-61

TEXT: L. Maeder, R. Mueller and P. Wintersteiger (Helv. Phys. Acta, 27, 1954, 3) have reported a nomogram for the determination of the instrumental Compton spectrum for a given width of the photopeak. The present authors have investigated the applicability of the nomogram to organic scintillators and the possible use of the shape of the Compton spectrum of organic scintillators as an indication of the quality of the scintillators. The ФЭУ-13 (FEU-13) photomultiplier and the АИ-1-100 (AI-1-100) kicksorter (100 channels) were used in conjunction with three scintillators (stilbene, polystyrene + p-terphenyl + POPOP, naphthalene + anthranilic acid). Both encapsulated and free scintillators were used. In each case it was assumed that the right-hand side of the Compton curve was Gaussian and the standard deviation was determined. It was found that this approximation was satisfactory.

Card 1/2

S/120/63/000/001/044/072
E032/E314

AUTHORS: Belogurov, Yu.P., Shishova, L.N., Kibal'chich, G.A. and Tatus', V.I.

TITLE: Determination of the light output of large scintillators

PERIODICAL: Pribory i tekhnika eksperimenta, no. 1, 1963, 161 - 162

TEXT: Determination of the relative light output of large plastic scintillators is important for the objective estimation of their scintillation properties and hence for the possible mass production of such phosphors. In the present work a 78 litre plastic scintillator was investigated (polystyrene + paraterphenyl + POPOP). A 0.1 μC Cs^{137} source, placed at a distance of about 1 m from the face of the cylindrical scintillator and along its axis, was employed. Five ФЭУ (FEU)-24 photomultipliers were placed on one of the flat faces of the phosphor. One of them was at the centre and the other four along two mutually perpendicular diameters at distances equal to two-thirds of the radius from the centre. Steps were taken to ensure equal sensitivity of the

Card 1/2

Determination of ....

S/120/63/000/001/044/072
E032/E514

photomultipliers. Photomultiplier instability and phosphor non-uniformity may give rise to a broadening of the Cs photo-peak or even to a splitting of the peak. In the case now reported the resolution was 20 - 25%. The position of the photo-peak may be used as a measure of the light yield relative to a standard phosphor of similar dimensions and form. This may be employed in industrial techniques. There are 2 figures.

ASSOCIATION: VNII monokristallov
(VNII Single Crystals)

SUBMITTED: April 25, 1962

Card 2/2

L 16689-65 EWG(j)/EWT(m)/EPF(c)/EWP(j)/EWA(h)/EWA(1) Pc-4/Pr-4/Peb
ESD(t)/ESD(gs)/ASD(a)-5 RM S/0058/64/000/010/A040/A041
ACCESSION NR: AR5000772

SOURCE: Ref. zh. Fizika, Abs. 10A379 B

AUTHORS: Tsirlin, Yu. A.; Sokolovskaya, T. I.; Shishova, L. N.

TITLE: Some problems of light gathering in plastic scintillators 15

CITED SOURCE: Sb. Stsintillyatory i stsintillyats. materialy, vyp. 3, Khar'kov, Khar'kovs. un-t, 1963, 56-62

TOPIC TAGS: scintillator, absorption coefficient, light yield, polystyrene, terphenyl

TRANSLATION: Questions involving the light gathering ability of cylindrical plastic scintillators are discussed. Analytic expressions are obtained for the light flux I passing through one of the plane boundaries of the scintillator, as a function of its dimensions, the absorption coefficient, and the refractive index. The expressions

Card 1/2

obtained were verified experimentally. The cylinders used were made of a scintillating plastic based on polystyrene to which terphenyl and POPOP was added. The source was a Po^{210} compound. The experimental data are in good agreement with the calculations. The formulas obtained can be used to determine the absolute light yield of the scintillator and to compare the quality of cylindrical scintillators of identical composition and different dimensions. Ya. M.

SUB CODE: NP, OP ENCL: 00

SHISHOVA, L.T.

Drawing blood from the finger for clinical analysis without using the mouth. Lab.delo 3 no.6:52 N-D '57. (MIRA 11:2)
(PIPETTES)

ACC NR: AP7004252 SOURCE CODE: UR/0432/66/000/002/0012/0016

AUTHOR: Butusov, I. V. (Candidate of technical sciences); Shishova, K. T.

ORG: none

TITLE: Binary reflected to binary natural code converters

SOURCE: Mekhanizatsiya i avtomatizatsiya upravleniya, no. 2, 1966, 12-16

TOPIC TAGS: binary code, cyclic coding, COMPUTER COMPONENT

ABSTRACT: Three types of cyclic-to-binary code converters are presented. In the first type, where entry and output of codes is serial, conversion is accomplished by mod 2 addition implemented by complementary flip-flops and delay lines. Code conversion is sequential starting with the highest order cyclic code bit. A manufactured semiconductor model of this type is capable of converting a 10-bit cyclic code number in 40 msec. The second type of converter, which has parallel entry and output, has a conversion time of 30 μsec. Its operation is based on a logic addition scheme which is a derivative of the mod 2 addition method. The converter contains AND gates, an input flip-flop register, a converter proper, output AND gates, amplifiers, an astable multivibrator, and a delay line. The converter proper uses 2 AND 3 NOT gates, and one OR gate. The third-type converter, whose input is in parallel cyclic code and whose output is in natural binary, is based on the same principle as the preceeding

Card 1/2 UDC: 681.142.621

BALASHOV, M.M.; SHISHOVA, M.Z.

Food poisoning caused by boiled eggs. Vop. pit. 24 no. 6:77 N-D '65 (MIRA 19:1)

1. Kafedra gigiyeny pitaniya (zav. - prof. M.F. Bolotov) i pishchevoy otdel gorodskoy sanitarno-epidemiologicheskoy stantsii, Irkutsk.

SHISHOVA, N. A.

"New Acanthocladiidae of the Moscow and Dono-Medveditsa Carboniferous," Dok. AN, 70, No. 3, 1950.

1. SHISHOVA, N. A.

2. USSR 600

4. Polyzoa, Fossil - Moscow Basin

7. Carboniferous bryozoans of the genus Septopora of the Moscow Basin of the Don-Medveditsa Plateau, Trudy Paleont, inst, No. 40, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

ASTROVA, Galina Grigor'yevna; SHISHOVA, Nina Aleksandrovna; SARYCHEVA, T.G., otv. red.; MOROZOVA, I.P., red.izd-va; ZUDINA, V.I., tekhn. red.

[Directions for collecting and studying fossil Polyzoa] Nastavlenie po sboru i izucheniiu iskopaemykh mshanok. Moskva, Izd-vo AN SSSR, 1963. (Nastavlenie po sboru i izucheniiu iskopaemykh organicheskikh ostatkov, no.7)

(MIRA 16:7)

(Polyzoa, Fossil)

SHISHOVA, N.A.

New species of Bryozoa of the genus Penniretepora from the Carboniferous of the Moscow region. Mat.k "Osn.paleont." no.3: 16-27 '59. (MIRA 15:7)
(Moscow region--Polyzoa, Fossil)

ORLOVA, N.A.

New late Permian Rhabdocnesonidae of Soviet Russia. Paleont. zhur. no.3:53-57 '64. (MIRA 18:2)

1. Paleontologicheskiy institut AN SSSR.

SAVEL'YEVA, K.A.; SHISHOVA, N.I.

Action of antibacterial preparations in tonsillar diseases. Trudy gos. nauch.-issl. inst. ukha, gorla i nosa no.11:121-128 '59. (MIRA 15:6)

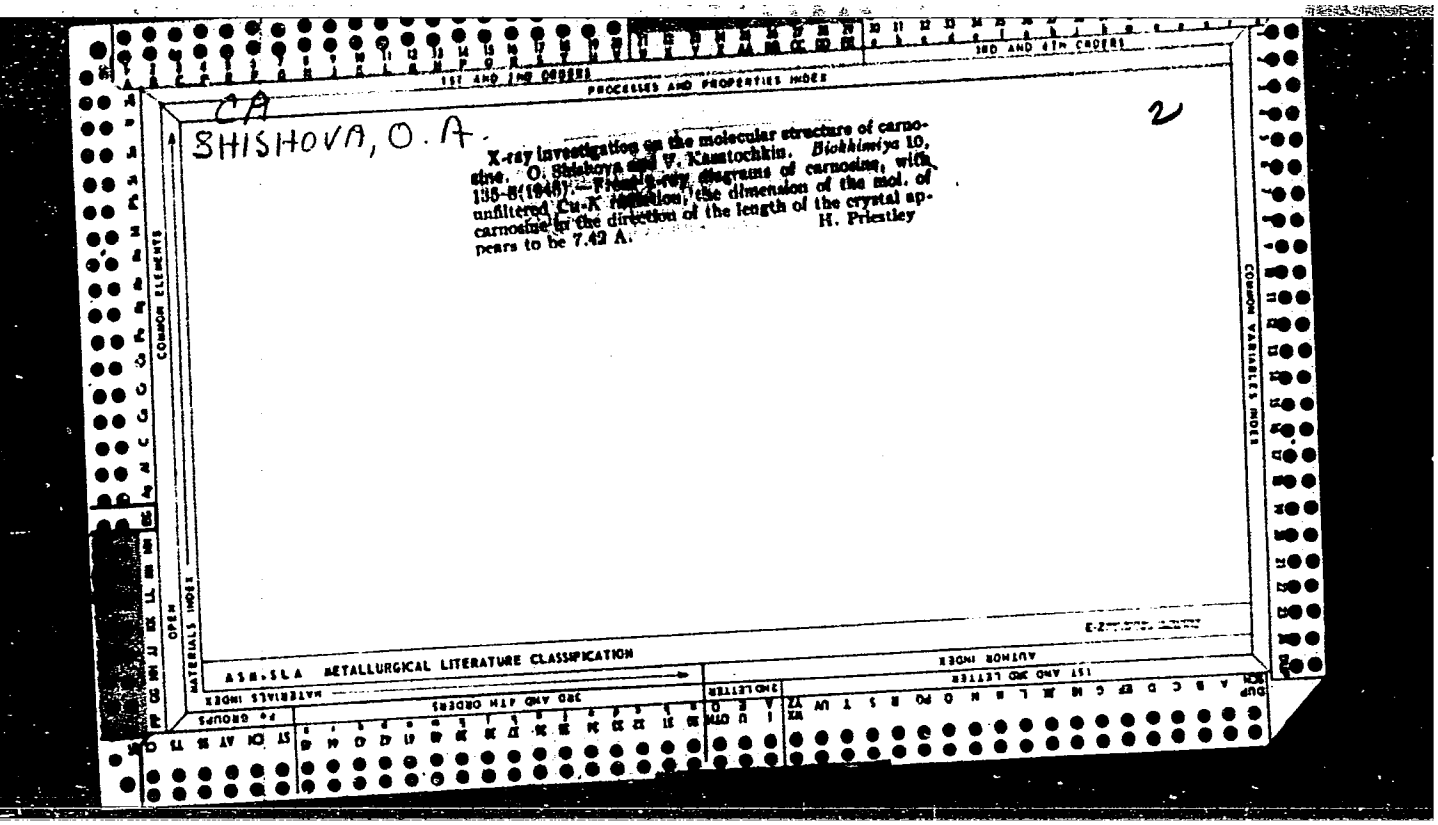
1. Iz klinicheskogo otdeleniya Gosudarstvennogo nauchno-issledovatel'skogo instituta ukha, gorla i nosa.
(TONSILS--DISEASES)
(DRUGS)

SAKHAROV, P.P.; GUDKOVA, Ye.I.; KAZANSKIY, I.A.; PATYAKINA, O.K.; SHISHOVA, N.I.

Specific prophylaxis and treatment of tonsillitis and its complications. Trudy gos. nauch.-issl. inst. ukha. gorla i nosa no.11:147-164 '59. (MIRA 15:6)
(TONSILS--DISEASES)

SHISHOVA, O. A.

Prof., Biological Chem., Med. Inst., Moscow, -1941-; Mbr., Lab. Roentgenographic Structure Res., Inst. Chem. Technolgy, Moscow, Mendeleyev -1945-. Mbr., Chair Med. Chem., Moscow State Med. Inst., -1946-. "On the Connection between Carnosine and Muscle Protein," Biokhim., 6, Nos. 4-5, 1941; "X-Ray Investigation on the Molecular Structure of Carnosine," ibid., 10, No. 2, 1945; "On the Role of Carnosine in the Process of Decarboxylation of Oxaloacetic Acid," ibid., 12, No. 3, 1947.

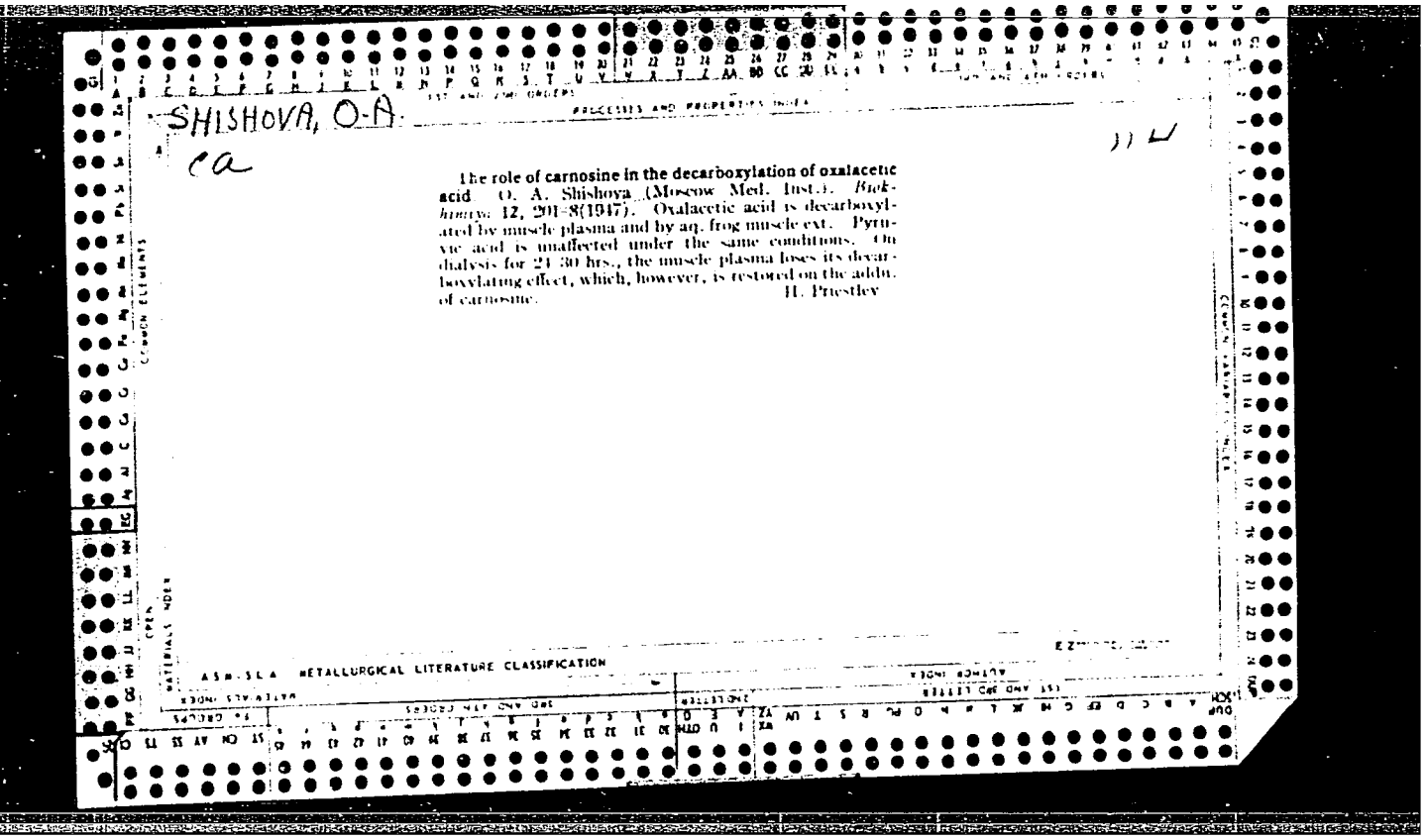


CA

SHISHOVA, O. A.

2

X-ray investigation on the molecular structure of carnosine. O. Shishova and V. Kaastochkin. *Biokhimiya* 10, 135-8(1945).—From x-ray diagrams of carnosine, with unfiltered Cu-K radiation, the dimension of the mol. of carnosine in the direction of the length of the crystal appears to be 7.42 A. H. Priestley



SHISHOVA, O-A.

ca

The role of carnosine in the decarboxylation of oxalacetic acid. O. A. Shishova (Moscow Med. Inst.). *Biokhimiya* 12, 291–8(1947). Oxalacetic acid is decarboxylated by muscle plasma and by aq. frog muscle ext. Pyruvic acid is unaffected under the same conditions. On dialysis for 24–30 hrs., the muscle plasma loses its decarboxylating effect, which, however, is restored on the addn. of carnosine. H. Priestley

A.S.M.-S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

Shishova, O.A.

USSR

Effect of phosphorus compounds on absorption of amino acids in the intestines. O. A. Shishova (Inst. Nutrition, Acad. Med. Sci. U.S.S.R., Moscow). *Voprosy Pitaniya* 13, No. 3, 16-19(1954).—The effects have been studied of inorg. P and adenosinetriphosphate (ATP) on absorption of amino acids in the intestines of guinea pigs. Inorg. P (extd. by 5% CCl_3COOH soln.) is present in intestines, brain, liver, kidneys, and spleen in relatively large amts. (0.66, 0.72, 0.50, 0.46, and 0.27 mg./g. tissue, resp.). During incubation of the intestinal slurry at 37° for 2 hrs. the amts. of inorg. and acid-sol. P increased from 0.66 and 1.27 to 2 and 2, while the amt. of esterified P decreased from 0.57 to 0 mg. P/g. tissue, resp. Two-ml. samples of a 0.5*M* mixt. of amino acids, consisting of histidine, lysine, alanine, glycine, glutamic acid, cystine, and tyrosine, were introduced into the locally anesthetized intestines of the animals; 2 groups then received 25 mg. inorg. P or a mixt. of 16–50 mg. ATP and 16–25 mg. inorg. P, resp.; after 30 and 60 min. the animals were killed and the intestinal contents and tissues analyzed for N (of the amino acids) and for inorg., labile, and acid-sol. P. After 60 min. the amts. of N absorbed by the intestines in the absence of P and in the presence of inorg. P and ATP were 22, 47, and 60% of the added N, resp. As the result of ATP addn. the amts. of inorg., labile, and acid-sol. P in the intestinal tissues changed from 3.5, 0, and 4.96 to 1.56, 0.78, and 2.34 mg./g. tissue, resp. It is concluded that absorption of amino acids in the intestines involves participation of phosphoric acid, particularly ATP.

E. Wierbicki

SHISHOVA, O.A.

The use of glutamic acid in the psychiatric clinic. V. I. Galenko, N. A. Gavrilova, E. Ya. Sachs, and O. A. Shishova. *Zhur. Nevropatol. i Psikhiatrii im. Korsakova* 55, 851-6(1955).—A favorable effect of glutamic acid [illegible] administration to patients having symptoms of asthenodepression and [illegible] of schizophrenic and somatic [illegible] When [illegible] considerably deepened the usual [illegible] effects were [illegible] removed. [illegible] there was an evident improvement in the indices of C and P metabolism: a lowering in the blood NH_4OH and amino-, an increase in the protein-lipide and acid-sol. P ratio and a lowering in the inorg. P and P-esters of the blood.

B. S. Levine

SHISHOVA, O. A.

1

Biochem. Lab., Inst. Nutrition

The role of phosphorylation in the process of enteric absorption of amino acids. O. A. Shishova (Acad. Med. Sci. U.S.S.R., Moscow). *Biokhimiya* 21, 111-18(1956).—Rats were divided into 3 groups. Animals of the 1st group were injected intraenterically with 2 ml. of combined soln. of 0.5*M* glutamic acid, 0.5*M* cystine, and 0.5*M* tyrosine. Animals of the 2nd group received each in addn. 25 mg. of inorg. phosphate in pH 7.0 soln.; animals of the 3rd group received 2 ml. of the combination of amino acids and in addn. 36, 80, and 125 mg. of inorg. phosphate and 80, 125, and 250 mg. of adenosinetriphosphate. Thirty and 60 min. after the injections the intestines were removed and their content washed out with distd. H_2O. In the intestinal contents and in the walls of the intestines detns. were made for N, inorg. phosphate, and labile and acid-sol. P. The absorption of the basic quantity of the amino acids in the intestines is connected with their phosphorylation. When this process is disturbed, the absorption of the amino acids is impeded. The addn. of phosphate and of adenosinetriphosphate to the diet of animals whose protein assimilation is poor because of conditions unfavorable to phosphorylation improves the assimilation of proteins. —B. S. Levine

SHARPENAK, A.E., SHISHOVA, O.A., GOROZHANKINA, L.A., ZHARKOV, M.V.

Effect of insufficient and excessive histidine content of food on certain metabolic processes and functions of the organism. [with summary in English]. Vop.pit. 17 no.4:30-35 Je-Ag'58 (MIRA 11:7)

1. Iz laboratorii biokhimii (zav. - prof. A.E. Sharpenak) i laboratorii vysshey nervnoy deyatel'nosti (zav. - prof. A.I. Makarychev) Instituta pitaniya AMN SSSR, Moskva.

(HISTIDINE, effects,
dietary excess & insuff., on metab. & funct. of organism (Rus))

SHARPENAK, A.E., prof; SHISHOVA, O.A.; GOROZHANKINA, L.A.

Effect of ionizing radiations on animals fed food containing various levels of histidine. Med.rad. 4 no.6:37-41 Je '59. (MIRA 12:8)

1. Iz laboratorii biokhimii (zav. - prof.A.E.Sharpenak) Instituta pitaniya AMN SSSR.

(RADIATION, eff.
eff. of dietary histidine on reactivity (Rus))
(HISTIDINE, eff.
dietary histidine on reactivity to radiations in animals (Rus))

SHARPENAK, A.E.; SHISHOVA, O.A.; GOROZHANKINA, L.A.

Effect of various histidine levels in food on certain metabolic and functional processes in the animal organism exposed to an unfavorable environment. Vop. pit. 18 no.3:31-35 My-Je '59. (MIRA 12:7)

1. Iz laboratorii biokhimii (zav. - prof. A.E. Sharpenak) Instituta pitaniya AMN SSSR, Moskva.
(HISTIDINE, effects,
on metab. & physiol. funct. in animals exposed to stress, dietary admin. (Rus))
(STRESS, eff.
on metab. & physiol. responses of animals to dietary histidine (Rus))

SHISHOVA, O.A.; GOROZHANKINA, L.A.

Effect of ascorbic acid and cortisone on reactions of the organism to dietary intake of various quantities of histidine. Zhur.ob.biol. 20 no.2:44-49 Mr-Ap '59. (MIRA 12:5)

1. Iz laboratorii biokhimii (zav. - prof. A.E.Sharpenak) Instituta pitaniya AMN SSSR, Moskva.
(HISTIDINE, metab.
eff. of cortisone & vitamin C on distribution in rats after oral intake (Rus))
(CORTISONE, effects,
on histidine metab. after oral intake in rats (Rus))
(VITAMIN C, eff.
same)

SHISHOVA, O.A.

Effect of phosphorylation on the absorption of various amino acids. Biokhimiia 24 no.3:514-520 My-Je '59. (MIRA 12:9)

1. Biochemical Laboratory, Institute of Nutrition, Academy of Medical Sciences of the U.S.S.R., Moscow.
(AMINO ACIDS, metab.
intestinal absorp., eff. of phosphorylation (Rus))
(INTESTINES, physiol.
amino acid absorp., eff. of phosphorylation (Rus))

SHISHOVA, O.A.

Effect of ionizing irradiation, adrenalectomy and cortisone on amino acid absorption in the intestine. Biokhimiia 24 no.5:885-890 S-O '59. (MIRA 13:2)

1. Laboratoriya biokhimii Instituta pitaniya Akademii meditsinskikh nauk SSSR, Moskva.

(CORTISONE pharmacol.)
(INTESTINE SMALL physiol.)
(AMINO ACIDS metab.)
(ADRENALECTOMY pharmacol.)

GRUBINA, A.Yu.; KRAYKO, Ye.A.; MASLENIKOVA, Ye.M.; RAZUMOV, M.I.; SERGEYEVA, M.A.; SKIRKO, B.K.; SHISHOVA, O.A.

Effect of food enriched by methionine on the development of experimental silicosis in white rats. Vop.pit. 20 no.3:41-46 My-Je '61. (MIRA 14:6)

1. Iz Instituta pitaniya AMN SSSR, Moskva.
(LUNGS--DUST DISEASES) (METHIONINE) (DIET)

SHISHOVA, O.A.; OGURTSOVA, L.A.; KASATOCHKIN, V.I.

Kinetics of the absorption of amino acid in the intestines. Fiziol. zhur. 47 no.5:630-637 My '61. (MIRA 14:5)

1. From the Laboratory of Higher Nervous Activity Institute of Nutrition and the Department of Physical and Colloidal Chemistry, I.M.Sechenov Medical Institute, Moscow.
(INTESTINES) (AMINO ACIDS)

SHISHOVA, O.A.

Determination of the effect of vitamin B_{12} on the absorption of amino acid mixtures in the intestine. Vop. pit. 22 no.1: 50-55 Ja-F'63 (MIRA 16:11)

1. Iz laboratorii biokhimii pitaniya (zav. - doktor biologicheskikh nauk M.P.Chernikov) Instituta pitaniya AMN SSSR, Moskva.

SHISHOVA, G.A.; KLEMINA, Ye.A.; KASATOCHKIN, V.I.

Rate of the intestinal absorption of amino acid mixtures.
Fiziol. zhur. 49 no.12:1461-1467 D '63. (MIRA 17:12)

1. From the Department of Biochemistry, Institute of Nutrition, Academy of Medical Sciences, U.S.S.R., and Department of General Chemistry, I.M. Sechenov First Medical Institute, Moscow.

KLEMINA, Ye. A. ; SHISHOVA, O.A.; KASATOCHKIN, V.I.

Regulation of amino acid relationships in the intestines. Vop. pit. 24 no. 6:31-35 N-D '65 (MIRA 19:1)

L 16114-66 EWT(d) IJP(c)

ACC NR: AP5025119 SOURCE CODE: UR/0208/65/005/005/0938/0944

AUTHOR: Gol'din, V. Ya. (Moscow); Kalitkin, N. N. (Moscow); Shishova, T. V. (Moscow)

ORG: none

16,44,55

39
38
B

TITLE: Nonlinear difference schemes for hyperbolic equations

SOURCE: Zhurnal vychislitel'noy matematiki i matematicheskoy fiziki, v. 5, no. 5, 1965, 938-944

TOPIC TAGS: hyperbolic equation, computer technology

ABSTRACT: In solving multidimensional problems, the limitation of the memory speed of even and most advanced computers allowed only the use of rough networks. The degree of accuracy of first-order schemes was thus insufficient and it was desirable to consider schemes of a higher degree of accuracy. However, with rough networks even these schemes did not yield the qualitative aspect of the solution. A method for constructing nonlinear (even for linear problems) schemes was suggested which preserved the qualitative behavior of the schemes of the first order which, however, had a higher degree of accuracy. The authors thank A. N. Tikhonov and A. A. Samarskiy for consultation and G. V. Danilov,

2

UDC: 518:517.944/.947

L 16114-66

ACC NR: AP5025119

B. M. Marchenko for assistance. Orig. art. has: 15 formulas, 5 figures and 4 tables.

SUB CODE: 09,12/ SUBM DATE: 25Jan65/ ORIG REF: 005/ OTH REF: 001

mst

Card 2/2

SAVOSTITSKIY, A.V., kand.tekhn.nauk, dotsent; KOBLYAKOVA, Ye.B., kand.tekhn.-nauk ispolnyayushchiy obyazannosti dotsenta; SHISHOVA, V.A., assistent

New design and construction of sewn lining for stamped galoshes. Nauch.trudy MTILP no.18:91-104 '60. (MIRA 15:2)

1. Kafedra tekhnologii shveynogo proizvodstva Moskovskogo tekhnologicheskogo instituta legkoy promyshlennosti.
(Boots and shoes, Rubber)

NIKITINA, I.G. (Moskva); SHISHOVA, V.A. (Moskva)

Use of correspondence courses for the training of technicians specialized in the technology of clothing manufacture. Shvein. prom. no.4:7-8 Jl-Ag '62. (MIRA 16:6)

(Clothing industry)
(Vocational education)

PRIVES, M.G. (Leningrad, P-101, ul. Voskova, d.15, kv.36); FUNSHTEYN, L.V.; SHCHERBAN', E.I.; SHISHOVA, V.G.

Significance of a method of labeled compounds for investigating the arterial system of the bone in vivo experiments. Arkh.anat.gist.i embr. 37 no.11:56-64 N '59. (MIRA 13:4)

1. Kafedra normal'noy anatomii (zaveduyushchiy - prof. M.G. Prives) 1-go Leningradskogo meditsinskogo instituta im. akademika I.P. Pavlova i laboratoriya patologicheskoy anatomii (zaveduyushchiy - prof. L.V. Funshteyn) TSentral'nogo rentgenologicheskogo i radiologicheskogo instituta.
(BONE AND BONES blood supply)

SHUSHKOVA, V.G. (Leningrad, M-84, Moskovskiy prospekt 64, kv. 38)

Arteries of the spinal cord in fishes and amphibians. Arkh. anat., gist. i embr. 47 no. 11:34-40 N '64 (MIRA 18:1)

1. Kafedra normal'noy anatomii (zav. - zasluzhennyy deyatel' nauki prof. M.G. Prives) 1-go Leningradskogo meditsinskogo instituta imeni akademika Pavlova. Submitted June 27, 1962.

USSR/Pharmacology. Toxicology. Local Anesthetics V

Abs Jour : Ref Zhur - Biol., No II, 1958, No 51976

Author : Berezhov N.K., Shishova V.I.
Inst : Buryat-Mongolia Zooveterinary Institute
Title : Changes in the Cell Composition of the Peripheral Blood in Horses Under the Effect of Novocaine Block

Orig Pub : Tr. Buryat-Mong. zoovet. in-ta, 1956, vyp. 10, 155-167

Abstract : Nineteen horses, undergoing surgical operations were subjected to lumbar block (LB), by administration of novocaine (I) in 0.25 percent solution, in doses of 1 ml/kg. It was established that LB caused an elevation of body temperature and leucocytosis. The sharpest rise in body T° and in the leucocyte count occurred within the first 30 minutes following administration of I, reaching its highest level within 3 hours and returning to normal within 24 hours. The absolute increase of the leucocyte count was due to an increase of stab neutrophiles. It was demonstrated that the degree of the febrile reaction following administration

Card : 1/2

USSR/Pharmacology. Toxicology. Local Anesthetics V

Abs Jour : Ref Zhur - Biol., No II, 1958, No 51976

of I depends upon the severity of the pathological process.
-- T.P. Veselova.

Card : 2/2

SHISHOVA, Ya.I.

Characteristics of natural forage lands of Kovel' District, Volyn' Province. Dop. ta pov. L'viv. un. no.5 pt.2:12-15 '55. (MLRA 9:10)

(Kovel' District--Pastures and meadows)

SHISHOVA, Ye.I.

Meadow vegetation in upper Bug bottomlands. Dop. ta pov. L'viv.un. no.6 pt.2:68-70 '55. (MLRA 10:3)
(Bug Valley--Pastures and meadows)

SHISHOVA, Ye.I. [Shyshova, Ye.I.]

Interaction between pines and oaks in certain types of mixed forests. Dop. ta pov. L'viv. un. no.7 pt.3:42-46 '57. (MIRA 11:2)

(Pine) (Oak)

MARCHENKO, P.D. ; SHISHOVA, Ye.I.

Experiments in raising wild leguminous forage plants in Lvov. Bot. zhur. 44 no.5:707-711 My '59. (MIRA 12:11)

1. Dal'nevostochnyy filial AN SSSR, Vladivostok i L'vovskiy gosudarstvennyy universitet im. I.Ya. Franko.
(Lvov--Legumes) (Forage plants)

SHISHOVA, Ye.I.

Conditions of distribution and natural regeneration of sycamore (Ager pseudoplatanus L.) in Carpathian forests. Nauch. dokl. vys. shkoly; biol. nauki no.2:151-156 '61. (MIRA 14:5)

1. Rekomendovana kafedroy morfologii i sistematiki rasteniy L'vovskogo gosudarstvennogo universiteta im. Ivana Franko.
(CARPATHIAN MOUNTAIN REGION—SYCAMORE)

ZUFAROV, K.A.; SHISHOVA, Ye.K.

Some data on the distribution of phosphatase in cats' organs. Izv. AN Uz.SSR. Ser.med. no.6:35-41 '59. (MIRA 13:4)

1. Institut krayevoy meditsiny AN UzSSR.
(PHOSPHATASE)

ZUFAROV, K.A.; CHIZHOVA, S.S.; SHISHOVA, Ye.K.

Histochemical study of the distribution of succinic dehydrogenase in the kidney. TSitologiia 3 no.4:474-476 Jl-Ag '61. (MIRA 14:8)

1. Laboratoriya patogistologii Instituta krayevoy eksperimental'noy meditsiny AN UzSSR, Tashkent.
(SUCCINIC DEHYDROGENASE) (KIDNEYS)
(MITOCHONDRIA)

ZUFAROV, K.A.; SHISHOVA, Ye.K.

Data from histochemical studies of succinic dehydrogenase and cytochrom-oxidase of the kidneys in the case of deafferentation. Trudy Inst. kraev. eksper. med. no.3:97-101 '61. (MIRA 15:5)
(HISTOCHEMISTRY) (SUCCINIC DEHYDROGENASE)
(CHROMOXIDASE) (KIDNEYS)

SHISHOV, Ye.L., kand.tekhn.nauk; SYCHEV, A.S., inzh.; KILIMOV, S.L., inzh.; SHPARBER, P.A., inzh.

"Handbook on special methods of shaft sinking." Reviewed by E.L. Shishov and others. Shakht. stroi. 6 no.5:32-3 of cover M '62 (MIRA 15:7)

(Shaft sinking)

MARETSKAYA, M.F.;BAYADINA, S.A.;GARELIK, O.S.;GEYSHINA, R.V.;BONDARENKO, T.V.; SHISHOVA, Ye.M.

Pneumonia in infants. Sovet. med. 17 no.7:30-32 July 1953. (CLML 25:1)

1. Of the Clinic for Children's Diseases (Director -- Prof. Yu. F. Dombrovskaya, Corresponding Member AMS USSR) of First Moscow Order of Lenin Medical Institute, Frunzenskiy Rayon Children's Hospital (Head Physician -- F. I. Fefer), and the Children's Division (Head -- R. V. Geyshina) of Polyclinic No. 56.

KOVALEVA, Ye.V.; DRATVINA, T.V.; YARMOLENKO, L.I.; SHISHOVA, Ye.M.; SHEVCHENKO, S.M.; BELOUSOVA, M.A.

Indications of the activity of the rheumatic process in children. Sov.med. 23 no.10:58-66 O '59. (MIRA 13:2)

1. Iz kafedry detskikh bolezney (zaveduyushchiy - deystvitel'nyy chlen AMN SSSR prof. Yu.F. Dombrovskaya) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova i kafedry mikrobiologii (zaveduyushchiy - prof. M.N. Lebedeva).
(RHEUMATIC FEVER physiology)

SHITOVA, Ye.M.

Birth of a live fetus in [a case of] hydatid mole. Sbor. nauch. rab. Kaf. akush. i gin. GMI no.1:138-140 '60. (MIRA 15:4)

1. Iz rodil'nogo doma No.4 g.Gor'kogo - glavnyy vrach V.P.Koltushkina. Nauchnyy rukovoditel' - prof. S.S. Dobrotin.
(CHORION--TUMORS) (FETUS)

SHITOVA, Ye.M.

Rare case of septuple coiling of the umbilical cord around the neck of the fetus. Sbor. nauch. rab. Kaf. akush. i gin. GMI no.1:90-91 '60. (MIRA 15:4)

1. Rodil'nyy dom No.4 g. Gor'kogo (glavnyy vrach V.P.Koltushkina), nauchnyy rukovoditel' Yu.A.Vinogradova.
(UMBILICUS)

KOVALEVA, Ye.V.; SHISHOVA, Ye.M.; VVEDENSKAYA, O.I.

Role of streptococci in the pathogenesis of rheumatic fever. Vop. revm. 3 no.4:3-8 O-D '63. (MIRA 17:2)

1. Iz kafedry detskikh bolezney (zav. - deystvitel'nyy chlen AMN SSSR prof. Yu.F. Dombrovskaya) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova i iz otdela streptokokkovykh infektsiy (zav. - doktor med. nauk I.M. Lyampert) Instituta epidemiologii i mikrobiologii imeni N.F. Gamalei (dir. - prof. P.A. Vershilova) AMN SSSR.

C.A.

8

Method of separation of the colloid fraction from carbonaceous clay and ooze. E. S. Zalmazon and E. S. Shishova. *Izvest. Akad. Nauk S.S.S.R., Geol. Ser.* 1950, No. 2, 145-9. - A note reporting expts. made with samples of clays, the purities of which were confirmed by chem. and thermal analyses. Data are furnished for the following: (1) soly. of argillaceous minerals in 0.1 *N* HCl and 0.5 *N* AcOH, (2) soly. of clay in filtrates and wash waters, and (3) soly. of carbonates in the filtrates and wash waters. G. S. M.

ZALMANZON, Ye.S.; SHISHOVA, Ye.S.

Iron, manganese, phosphorus, and minor elements in deposits at Baku. Doklady Akad. Nauk S.S.S.R. 85, 835-7 '52. (MLRA 5:8)
(CA 47 no.22:12144 '53)

Shishova, Ye.S.

STRAKHOV, N.M.; BRODSKAYA, N.G.; KNYAZEVA, L.M.; RAZZHIVINA, A.N.; RATEYEV, M.A.; SAPOZHNIKOV, D.G.; SHISHOVA, Ye.S.; BELYANKIN, D.S., akademik, redaktor [deceased]; BEZRUKOV, P.L., doktor geologo-mineralogicheskikh nauk, otvetstvennyy redaktor; NOSOV, G.I., redaktor; AUZAN, N.P., tekhnicheskiy redaktor

[Marine and continental sedimentation today] Obrazovanie osadkov v sovremennykh vodoemakh. Moskva, Izd-vo Akademii nauk SSSR, 1954. 791 p. (MLRA 7:10)

(Sedimentation and deposition)

SHISHOVA, E. S.

Methods of analyses of ferrocarbonate minerals. R. S. Zalmanzon, N. V. Zakharova, and E. S. Shishova. *Byull. Moskov. Obshchestva Ispytatel. Prirody, Otdel Geol.* 30, No. 2, 101–8 (1955). The soly. of minerals in HCl, H_2SO_4, and AcOH under different conditions at various strengths was studied. It is shown that the usual method for decompg. $FeCO_3$ minerals by boiling for ½ hr. with 10% HCl leads to gross errors owing to the interference of silicates. Methods are developed whereby decompn. is effected under much milder conditions. Many minerals are decompd. adequately by boiling for 5 min. with 5% HCl. To det. FeO in ankerite either the 5% HCl treatment or heating on a water bath for 8 hrs. with 4*N* AcOH can be used. J. A. Krynitsky

SHISHOVA, Z.A.

New data on the study of diatomaceous algae of Miocene deposits on the Apsheron Peninsula. Dokl.AN Azerb.SSR 11 no.6:395-399 '55. (MLRA 9:6)

1.Predstavleno deystvitel'nym chlenom AN Azerbaydzhanskoy SSR M.A. Kashkayem.

(Apsheron peninsula--Diatoms, Fossil)

Shishova 2G

Glycol esters of pyrophosphorous acid. B. A. Arbuzov, K. V. Nikonorov, O. N. Fedorova, G. M. Vinokurova, and Z. G. Shishova (A. E. Arbuzov Chem. Inst., Kazan). *Doklady Akad. Nauk S.S.S.R.* 91, 817–20(1953).—Slow addn. of the calcd. amt. of H_2O and a base (pyridine, Me_2NPh, or Et_3N) to 2 moles $O.CH_2.CH_2.O.PCl$ dild. with 2–3 parts Et_2O at about −5° with stirring, filtering after 3 hrs. at room temp. and distn. of the filtrate gave 40% $[(CH_2O)_2PH]_2O$, b_4 100–1°, d_{20} 1.4293, n_D^{20} 1.4900. Similarly were obtained the following esters (% yield, b.p./mm., d_{20}, and n_D^{20} shown): $(O.CHMe.CH_2.O.P)_2O$, 44.5, 82–3°/2–3, 1.2772, 1.4025; $(O.CH(CH_2Cl).CH_2.O.P)_2O$, 44, 144–5°/3, 1.5126, 1.5130; $(O.CHMe.CH_2.CH_2.O.P)_2O$, 34.8, 118–20°/2, 1.2320, 1.4745. These esters readily add Cu_2X_2 and S and react violently with H_2O. Treatment of $O.CH_2.CH_2.O.PCl$ with $(RO)_2PONa$ with cooling in Et_2O gave, after sepn. of the pptd. NaCl, the corresponding $(CH_2O)_2POP(OR)_2$ (*R*, % yield, b./mm., d_{20}, n_D^{20} given): *Et*, 60, 84–5°/2, 1.1890, 1.4557; *Pr*, 51, 93–4°/2, 1.1446, 1.4600; *iso-Pr*, 47.4, 90–1°/2, 1.1392, 1.4515; *Bu*, 10.2, 104–5°/1, 1.136, 1.4626. Similarly were formed the following $CHMe.CH_2.O.POP(OR)_2$; *Et*, 68.1, 73–4°/2, 1.1[illegible] 1.4520; *Pr*, 38.4, 110°/2, 1.1090, 1.4530; *iso-Pr*, 24.5, 8[illegible] 8°/3, 1.1070, 1.4530; *Bu*, 19.6, 120–1°/3, 1.080, 1.45[illegible]; $O.CHMe.CH_2.CH_2.O.POP(OR)_2$; *Et*, 53.3, 113–13.5[illegible] 1.1368, 1.4563; *Pr*, 50.4, 110–11°/4, 1.1001, 1.4[illegible]; *iso-Pr*, 32.7, 98–102°/2, 1.0645, 1.4460; *Bu*, 40.1, 152–6°/7, 1.0663, 1.4580. $O.CH(CH_2Cl).CH_2.O.POP(OR)_2$: *Et*, 15, 110°/1–2, 1.2470, 1.4660; *Pr*, 20, 125–9°/1–2, 1.1990, 1.4690; *Bu*, 23, 147–50°/3, 1.1926, 1.473. These esters possess the usual properties of the phosphites. The yields of the higher unsym. esters are reduced by the symmetrization reaction during distn. G. M. Kosolapoff

Shishova, Z. G.

5

Esters of propylene glycol phosphoric and propylene glycol thiophosphoric acids. B. A. Arbuzov, K. V. Nikonorov, and Z. G. Shishova. *Bull. Acad. Sci. U.S.S.R., Div. Chem. Sci.* 1954, 711–16 (Engl. translation).—See *C.A.* 49, 13901b. B. M. R.

(7)

ARBUZOV, B.A.; NIKONOROV, K.V.; SHISHOVA, Z.G.

Esters of propyleneglycolphosphoric and propyleneglycolthiophosphoric acids. Izv. AN SSSR Otd.khim. nauk no.5:823-829 S-O '54. (MLRA 8:3)

1. Khimicheskiy institut im. A.Ye.Arbusova Kazanskogo filiala Akademii nauk SSSR.

(Phosphoric acid) (Thiophosphoric acid)

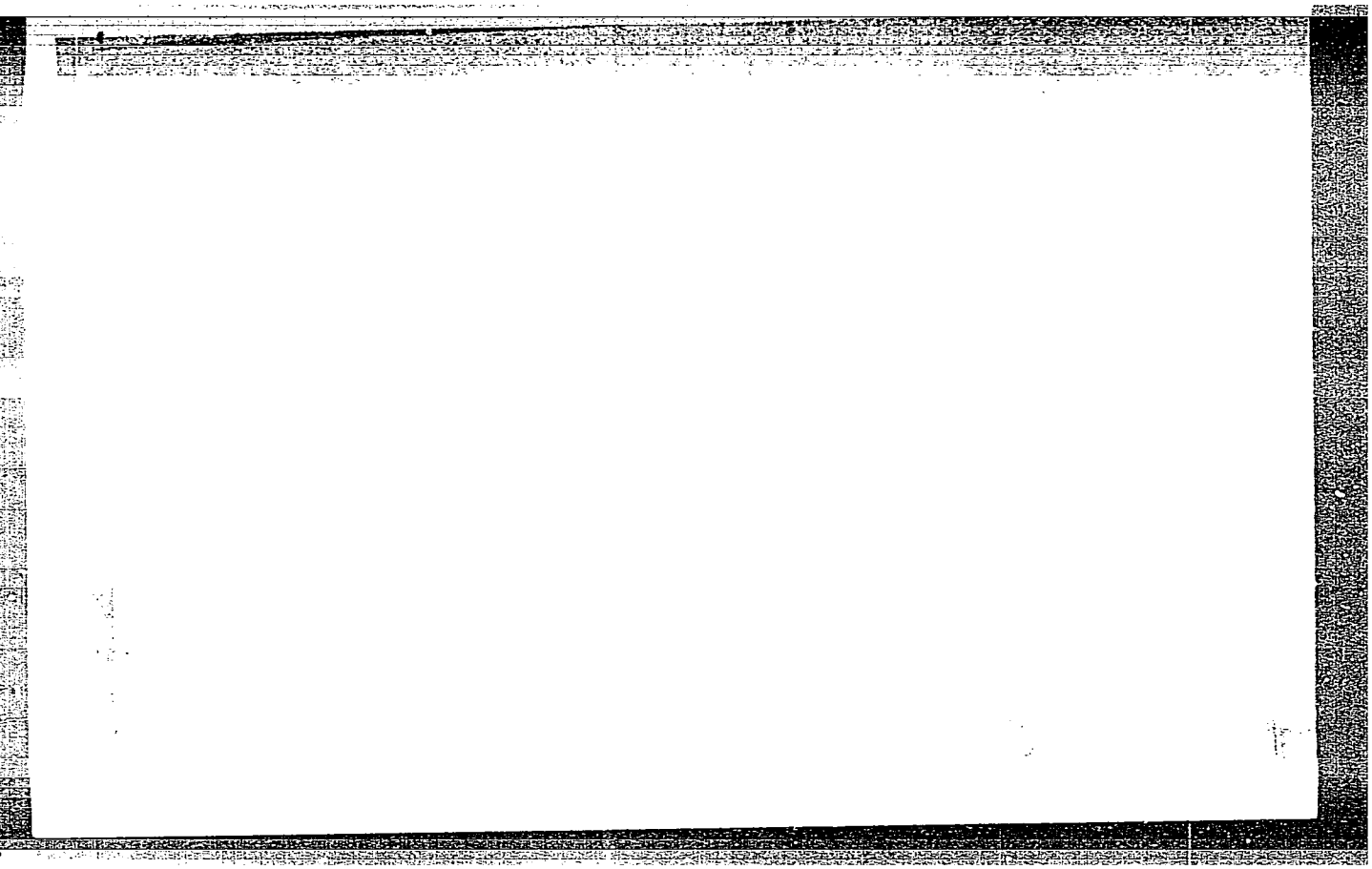
Shishova, Z. G.

Some [illegible] esters of pyrophosphoric acid. B. A. [illegible]

[illegible]

(OEt)₂, b. 73-4°, n_D^{20} 1.4520, d_{20} 1.1493; 38.4% [illegible] CH-

Me.CH₂O POP(OPr)₂, b. 100°, n_D^{20} 1.4530, d_{20} 1.1080;



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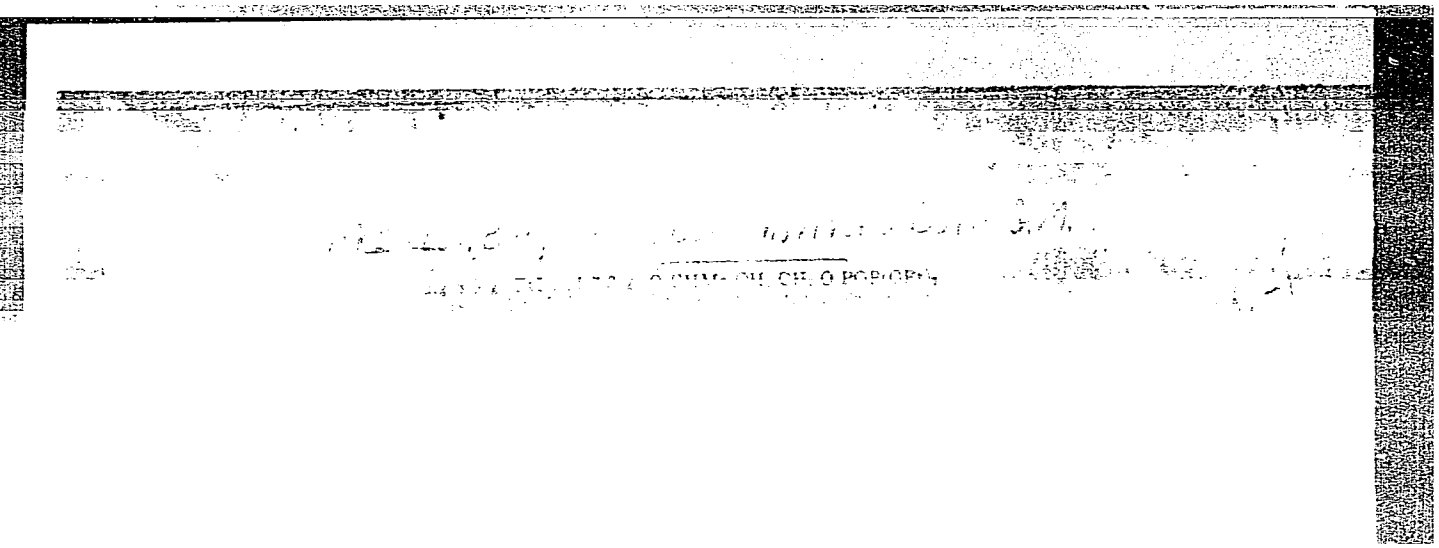

SH.SHOVA-KI A.GHEINA, G.A.

Some problems concerning the absorption of amino acids in the intestines. Vop. pit. 23 no.6:3-17 N-D '64.

(MIRA 18:6)

BASKAKOV, P., (g. Gor'kiy); ABRAMYAN, S.; MURACHEV, I., predsedatel' soveta radiokluba; KOCHEGAROV, N., nachal'nik radiokluba; LATKIN, V., predsedatel' soveta radiokluba; SHISHUKOV, P., rukovoditel' konstruktorskoy sektsii kluba; BARBIN, G., chlen radiokluba; BUDANTSOV, V., predsedatel' soveta radiokluba; GODUNOV, P., nachal'nik radiokluba; TEVELEV.

Provide parts for radio amateurs. Radio no.12:14-17 D '53. (MLRA 6:12)

1. Nachal'nik radiokluba Vsesoyuznogo dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu (for Baskakov). 2. Nachal'nik Vil'nyuskogo radiokluba Vsesoyuznogo dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu (for Tevelev).

(Radio--Apparatus and supplies)

ALEKSEYEV, A.Ye.; SHISHULINA, G.P.

Data on cortical processes following poliomyelitis in children. Zhur.vys.nerv.deiat. 7 no.3:381-388 My-Je '57. (MIRA 10:10)

1. Fiziologicheskaya laboratoriya Gor'kovskogo nauchno-issledovatel'skogo instituta vosstanovitel'noy khirurgii, ortopedii i travmatologii.

(REFLEX, CONDITIONED, in polio. convalescence (Rus))
(POLIOMYELITIS, physiology, conditioned reflex funct. in convalescence (Rus))

KORNEV, L.S.; YENICHEV, V.M.; MORDUYEVA, A.A.; IGONINA, Yu.A.; PATRIKEYEV, G.T.; ANDROSHCHUK, S.M.; ZYBIN, V.D.; SHISHULINA, L.M.

Culture media other than meat extracts for the preparation of A and B botulin anatoxins. Vak. i syv. no.1:3-11 '63.
(MIRA 18:8)

NIKIFOROV, L.L.; SHISHVATOVA, V.N.

Use of a molybdenum medium in the investigation of water, washings from objects of the environment, and milk products. Lab.delo 6 no.2:51 Mr-Ap '60. (MIRA 13:6)

1. Stalingradskiy nauchno-issledovatel'skiy institut epidemiologii i gigiyeny i Stalingradskaya gorodskaya sanitarno-epidemiologicheskaya stantsiya.
(BACTERIOLOGY--TECHNIQUE)

SHISKA, K.

Indications for surgical treatment in bronchiectasis. Grud. khir. 2 no.6:61-65 N-D '60. (MIRA 14:1)

1. Iz II khirurgicheskoy kliniki (zav. - akademik K. Shishka) meditsinskogo fakul'teta Universiteta imeni Komenskogo v Bratislave. Adres avtora: Bratislava, II khirurgicheskaya klinika meditsinskogo fakul'teta Universiteta imeni Kamenskogo.
(BRONCHIECTASIS)